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to some of the best men in Germany, who combine with a thorough

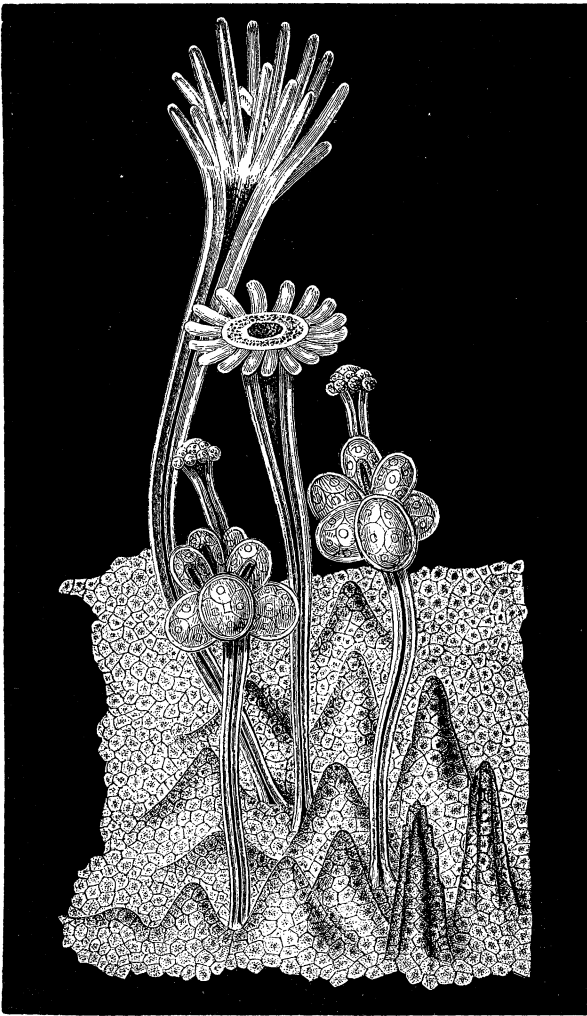


Fig. 11.—Group of a female colony of *Hydractinia echinata*. Enlarged.

special knowledge, the art of setting forth in an interesting and attractive way the history of animal life.

TENTH ANNUAL REPORT OF THE UNITED STATES GEOLOGICAL AND GEOGRAPHICAL SURVEY, F. V. HAYDEN IN CHARGE.<sup>1</sup>—This

<sup>1</sup> *Tenth Annual Report of the United States Geological and Geographical Survey of the Territories, embracing Colorado and parts of adjacent Territories.* Being a Report of progress of the Exploration for the year 1876. By F. V. HAYDEN, U. S. Geologist. Washington, 1878. 8vo, pp. 546, with many maps and plates.

volume is a worthy member of the large series of annual reports of this survey, and is quite as important and rather more fully illustrated than any of its predecessors. The field work reported upon embraced the completion of the explorations known as the Survey of Colorado and portions of adjacent Territories, and was finished in 1876.

The first part, relating to geology, contains a report of Dr. C. A. White on a portion of North-western Colorado, of F. M. Endlich, Geologist of the White River division, of Dr. A. C. Peale, Geologist of the Grand River district, and of W. H. Holmes on the geology of the Sierra Abajo and West San Miguel mountains. These reports are followed by an elaborate essay by Mr. Endlich on the volcanic rocks of Colorado.

The second part, topography, embraces reports by A. D. Wilson on the primary triangulation of Colorado; by Henry Gannett on the arable and pasture lands of Colorado; by G. B. Chittenden on the White River district, and by G. R. Bechler on the Yampa River district.

The third part, archæology and ethnology, is rich in new facts regarding ancient ruins of South-western Colorado, contributed by Mr. W. M. Holmes and Mr. W. H. Jackson. This portion is illustrated by a large number of plates, and is accompanied by essays on the Chaco cranium, and on the Indians of Nevada, California and Arizona, by Dr. W. J. Hoffman.

Part four, palæontology and zoölogy contains an essay by Mr. Lesquereux on the fossil plants secured by the Survey in 1877, and a report by A. S. Packard, Jr., on the insects affecting the cranberry, &c. The maps are in some cases colored, and add greatly to the interest and value of the report.

Fifty of the plates illustrate the remarkable cliff dwellers in southern Colorado and northern New Mexico. A very interesting series of chapters treats of the geology of Colorado, and there is much besides of great interest to the general as well as the scientific reader. Unfortunately, Congress has only ordered the printing of 4,500 copies, and the demand far exceeds the supply.

This Survey has done so much, by its publications, to spread the knowledge both at home and abroad of the remarkable country constituting its field of labor, that every annual report finds an increasing number of readers, and it is not surprising, therefore, to meet with expressions of regret at the want of liberality on the part of Congress in printing too small editions, expressed in our own and foreign scientific journals.

MOSELEY'S STRUCTURE OF THE STYLASTERIDÆ.<sup>1</sup>—It will be remembered that Mr. Moseley substantially set at rest all doubts

<sup>1</sup> *The Croonian Lecture, On the Structure of the Stylasteridæ, a family of the Hydroid Stony Corals.* By H. N. MOSELEY, F.R.S. (From the Philosophical Transactions of the Royal Society. Part i, 1878.) London. 4to, pp. 78, 11 plates.